It is unquestionably the duty of the surgeon to endcavor, in every instance there needles or parts of needles have entered any part of the body, to ascertain their precise locality, and in attempt their removal, by an operation, if necessary, whenever this can he performed "without involving any serious risk of wounding some important nerve or other structure, or of exciting a high degree of inflammation." But we cannot accede to the propriety of the direction to spend hours in exploring with the scalpel in every direction, at the part where the needle enters, particle by particle, until the needle is found.

The following eases of phlegmasia dolens—the one occurring after typhoid fever, and the other, in both the upper and lower extremities, after parturition—by Dr. James Fountain, of Jefferson Valley, are not without interest:—

—by Dr. James Fountain, of Jefferson Valley, are not without interest:—

"The case of phlegmasia dolens I mentioned at our annual meeting, occurred in a young, healthy girl, aged 14 years. A typhoid fever broke out in the neighbourhood of her father, in the winter of 1847. The mother acted as nurse in two fatal cases, and contracted the disease. Immediately on her convalescence, her daughter had it. It ran through its regular stages, and subsided. Some few days after its close, she was seized with pain in the ealf of the left leg, in the morning. The mother applied some warm flannels to the part through the day, but, about ten o'clock in the evening, the pain had reached the groin, and had hecome so extremely violent, that she screamed with it incessantly. At twelve at night, ber father called me up. I sent her three powders, each containing ahout three grains of opium, and two of camphor—one to be taken every two bours, till relief be ohtained. Next morning, I found she had taken two of the powders, and had found relief. Her leg was tumefied from the toes to the hip; skin white, and extremely tender, hut not painful, unless the limh was moved; the swelling was tense and clastic; the joints were not affected internally. In the afternoon, I gave her an emetic of tart, ant, with tinct, sem, colclici. It operated freely, and the limb was immediately less sensitive. On the next day it was far less so, and in a day or two it hecame adematous, and hy means of handaging and eone mild diurcties, it dispropared.

adematous, and hy means of handaging and some mild diurctics, it disappeared.

"Ahout thirty years or so ago, I was in the practice of waiting on a Mrs. Horton in her confinements. For three successive labours, her pains seemed not to remit in the least upon the expulsion of the child, but kept on with the same expulsatory effort, after the placenta was expelled, until two or three spoonfuls of tinct, opii had heen taken. After the last labour, she had a regular attack of phlegmasia dolens, first in the right leg, then in the right arm, then in the left leg. These were clear cases, and were not rheumatic, for no more pain was produced by moving the joints than by moving the limhs generally. They yielded at once to full doses of opium and camphon, as they always will, and emctics never fail to change the albuminous to a serious condition of the affected limh."

D. F. C.

ART. XXI.—San Francisco Medical Society: Annual Address delivered before the Society, pursuant to appointment, Jan'y 27, 1837. By Henry Ginnons, M.D. 8vo. pp. 24.

Faos the annual address of Dr. Henry Gihhons, delivered hefore the San Francisco County Medical Society, January 27, 1857, a production replete with correct principles and liberal views, well and holdly expressed, we select the following paragraphs, as presenting, in hrief outline, a general view of the climate and diseases of California:

"The elimate of the Pacific coast, in its etiological relations, opens an immers field of observation and study. In the winter season, if winter it can be called, from Novemher to April inclusive, there is hat little difference of temperature on the seaboard, in n range of fifteen degrees, from the mouth of the Columbia River on the north, to San Diego an the south. Nor is there much difference inland, except that the more elevated regions are liable to colder

weather. Thus whilst snow and ice are rarely seen on the coast, the mountains of the Sierra Nevada ronge are covered with snow nearly all the year.

"In the summer season, a similar uniformity of climate presents itself on the seaboard; but during this period, from May to October, a wave of cold air flows daily from the ocean, often loaded with folling mist. So little difference is there in temperature between winter ond summer in this wide range of coast, that flannel garments are constantly worn, and no one thinks of changing the dress from winter to summer. But beyond the mountain barrier, which skirts the ocean, and walls out the sca breeze from the interior, the heat of summer is often intense, the mercury rising frequently to 100 degrees or upwards. At the same time, the air is generally very dry. Almost invoriably, however, the nights nre pleasantly cool, so that sleeping is well done corrywhere.

"A few years ago it was supposed that the climate of California was almost proof against pulmonary disease. In 1850, if an individual happened to cough in church, all eyes were turned on him with curiosity and nunzement. Tho native population, it was said, were entirely exempt from disorders of the lungs. But time has dispelled the delusion. Pulmonnry consumption and the kindred affections have become the great enemy of human life, as in the Atlantic States. Our entire climate everywhere is less injurious, it is true, to pectoral disorders than the corresponding lotitudes on the Atlantic. But, the cold and searching winds of summer on the scoboard, while they often build up the strength by their bracing and tonic power, are in general unfavorable to patients suffering from the closs of maladies under consideration; and the extremo heat of the interior is equally noxious, from its debilitating influence. The relation of our climate to this class of diseases may be summed up in n few words. Persons afflicted with bronchial or pulmonary disorders, in the incipient stage, ore almost invariably benefited, and oft times cured by traversing a tropical climate, and taking up their abode in California. On the other hand, such diseases ore developed ab initio in this country, about in the same degree as in the Atlantic States. As the female population increases, the bills of mortality exhibit a corresponding increase in the number of victims.

"Some years ago, it was a general practice to send pulmonary cases to the Sandwich Islands. But experience has shown its futility. We stand in need of some other sanitarium. In many cases, change of climate is the only remedy; and a genial climate, not liable to sudden or material fluctuations, and exempt from strong winds, are requisite conditions. In the summer season, the region bordering on the Bay, at its northern and southern extremities, may serve the purpose, holding, as itdoes, a medium place between the damp and chilly ocean climate of San Froncisco and the arid and scoreoling heat of the interior. In the winter we must turn our attention to the south. Los Angelos and San Diego, in the southern section of tho State, are still too far north. The table land of Mexico will probably supply the desideratum. But even in Mexico, proximity to the ocean must be nvoided. Twelve months ngo, in a brief stay at Manzanello, which is on the western coast, in latitude 19/1 Observed among the native population an extraordinary prevalence of pulmonary disease, caused, in all probability, by their sleeping on the damp ground, exposed, more or less, to the cool night wind. Sixty or seventy miles inland, in the vicinity of Cotima, is a different climote, said to be mnch more salubrious. With all the known ledge I now possess on the subject, this spot hopears preferoble to any other, and, accordingly, I have latterly recommended it to my patients, instead of the Sondwich Islands. This subject, however, deserves much more consideration than it has yet received."

"Epidemics are of rare occurrence in this Stote. At on early period, when the comforts of life were greatly wanting, diarrhom and dysentery were prevolent, and extremely fotal. In those days men dwelt in tents, and slept on the earth; they used a diet of nnimal food, almost exclusively, undiluted with vegetables and fruit, and composed of beef run down befora being killed, and they employed that blessed prophylactic, brandy. With improved babits of life, and wholesome diet, and a diminished untipathy to the internal use of cold water, these diseases hove greatly diminished, and death from dysentery or diarrhom is comparatively rare.

"In the winter of 1850-51, the malignant cholera was epidemic in various localities, visiting our territory in its regular course of murch on the western coast of North America. In this city the mortality was light, but Sacramento was nearly depopulated. Since that time, sporadic cases have occasionally appeared, and patients laboring under the malady, and dying with it, have been frequently landed from steamships from Nicaragua and Panama, and taken to the county hospital, or otherwise disposed of. The disease has, in no well anthen-ticated instance, extended to others. Several cases were said to have appeared in the neighbourhood where the clothing from an infected ressel was sent to ho cleansed, giving support to the theory which attributes the spread of malignant cholers to exhalations from the feecs of its victime. But as the etatements to that effect were connected with some pecnniary interests or speculations, they are not entitled to credit.

"In Jone and July, 1851, bronchial affectione first made their appearance in San Francisco, in the form of nn influenza. Since that date, catarrhal disordere have prevailed nearly every summer, in a sufficient degree to he pronounced

epidemic."

"Croup is a disease from which the infantile population of our State suffer very much. It is apt to be violent and intractable, terminating fatally in many cases, perhaps as much for want of timely aid and propor nursing as from the

intrinsic violence of the malady."

"Scarlatina first presented itself to the notice of the America inhabitants in the spring of 1851, on the heels of the cholera. There were few cases, however, and they were of a mild grade. Since that time it has occurred sporadically, and with the same tractable character. A form of disease hordering on malignant scarlating has committed sad havor in certain localities in the past two or three years. It commences with inflammation, and mostly niceration, of the fauces and tensils, exhibiting no peculiar features, and exciting no plarm. Sometimes n cough is present from the heginning. Suddenly the patient is seized with croupy symptoms, and in a brief period, from six to twenty-four hours, life is extinguished. The muccular strength and the faculties of the mind are generally retained to a late period. The pulse is that of scarlatina, that there is no eruption. Delirium and convulsions celdom occur. Children are its ordinary victims, though adults are not always exempt.

"A ctriking feature of this malady is its fatality in certain families. It may

visit only a few houses in a village or neighbourhood, but in them it is apt to carry off all the young children, in rapid succession. In San Francisco, it has not prevailed eo much as in Oakland, Sonoma, and come other towns. In the only instances within my knowledge, in this city, where all, or nearly all the children of the household were swept away, the victims were trophles of homospathic practice. I have had no fatal, and no very malignant cases, in my own tharge exclusively, but have visited n number in this city, and at n distance, in consultation, where no opportunity was afforded for autopsic examination. lo these cases the fatal result appeared to arise from the rapid extension of the inflammation to the nir-passages and lungs, without a full development of the proper eyniptoms.

"The treatment that has proved most salutary, under my observation, consists mainly of the free internal use of quinin, and the application of nitrate of silver, in solution, to the fauces, with a large hlister to the chest in case of

"Diseasee of the nrinary passages are frequent and troublesome, especially chronic affections of the arethra, which often defy all treatment, yielding only to time. In fact, it may safely he said, that an unusual tendency exists on this

coast to disorders of the mucous membranes in general.

"Insmity, as might be expected, is fearfully provalent in California. grows directly out of the excited mental condition of our population, to which the common use of alcoholic drinks is a powerful adjunct. Other cerebral disorders do not abound, excepting meningitis in infante. It has been remarked that, notwithstanding the constant exposure of n large portion of the male population to the extreme heate of the interior, 'sun-stroke' is ecarcely ever heard of."

"There has been observed in the diseases of this coast an extraordinary tendency to the paroxysmal form, or to exacerbations, requiring the uss of quinta. This occurs in dysenteries, in pneumonia, in purepral women—in short, it is traced in almost every affection ritended with febrile action. Fevers to which the dubious term malarious is conveniently applied are scattered everywhere, in eity and country, and are often endemic in certain districts. In the intermittent phase, they are often excessively annoying by their repeated returns after apparent cure. Typhoid, or rather ataxic, fevers are frequently met with.

"Acute inflammations, requiring the lancet, are not common. It is truly singular to what extent venesection is discarded in California. I am apprehensive that we allow this potent remedy to be too much neglected."

D. F. C.

ART, XXII .- Experimental Researches relative to the Nutritive Value and Physiological Effects of Albumen, Starch, and Gum, when singly and exclusively used as food. By W. A. HAMMOND, Assistant Surgeon U. S. A.

The above is the title of nn essay for which n prizo was awarded by the American Medical Association nt its last session, and which treats of subjects which should enlist the attention of every physician who wishes to practise understandingly. Without a thorough knowledge of the effects of each article of food upon the system, we prescribe at random particular articles of diet for the sick, and are to some extent unable to understand some of the most frequent causes of disease. And yet our netual knowledge on these points is very limited. Magendie indeed showed that neither gelatin nor albumen would suffice to sustain life; and Boussinganlt proved that fat could not be ossimilated in sufficient quantities. Many other isolated facts might be quoted, which have heen recorded within the last twenty years; but the want of an accurate knowledge of tissue metamorphosis prevented most of these chservers from affording us the rationale of these facts. The experiments of Chossat on animals during inanition, and Lehmann on himself, under different diet, have gone far to enlighten us. But Dr. Hammond has chosen n new field of investigation; and with a diligence and sacrifice of personal comfort worthy of high praise has given us the results of three series of experiments upon himself, recording the daily amount of food and drink taken, and the daily loss of the system by the different emunctories, with remarks upon the results obtained, characterized by the careful consideration and general correctness.

The results of his experiments upon gum may he stated in a few words— nearly the whole omount ingested during four days was discharged unaltered by the bowels. This fact is important as showing that the chemistry of our laboratories is ofter all identical with the chemistry which plays such an important part in all vital phenomena. It has long been known that guin was not rendered endosmotic by any of the digestive fluids, out of the body; but its long use as an article of diet in acuto disease has induced among practitioners the conviction that in some way it must be digested. Nothing but such an experiment as Dr. Hammond's could finally settle this point; and henceforth ws hope to see gum discarded, or at least only used as a demulcent—it is no more nutritive than rose water is astringent.

The other two series of experiments involve many points of the highest physiological importance. It is not our purpose to discuss them fully. shall content ourselves with indicating some of them, and advise our readers to take up the essay itself and study it. These two series of researches occupied ten days each; previous to the commencement of the first one, Dr. Ham-mond determined, by observations of the ingesta and egesta for five days, the ordinary amounts of exerction from the howels and kidneys under asual dict. Sufficient tims was allowed to clapse between the alhumen and the starch series for the system to regain its tone. We ore presented at the close of each series with tabular statements of the ingesta and egesta (including the transpiration), temperature of hody, variatione in weight, height of barometer and of thermometer for each day. Analyses of the hlood on the 1st and 10th days of each series are also given, tagether with tables showing the amount of carbon absorbed in the albumen series, and the relative proportions, in the same series, of the nitragen absarbed to that eliminated in the forms of uren and uric acid. The conclusione from the nlhumen experiments may be thus stated:—

 The amount of albumen in the blood was materially increased, as was also that of the fibrin and aff extractive; while the blaod-carpuscles and salts wero diminished and fat almost disappeared.

2. The animal temperature underwent a very slight diminution.

3. The urea, uric acid, and residue of the urine were increased, while the

cblorine, sulphuric, and phosphoric acid diminished.

4. The feecs diminished in quantity, relatively, until the 6th day; upon the 8th diarrhox ensued, thus nugurenting the water; the ether-extract diminished, while the alcohol-extract and insaluble residue increased, especially the latter; thus indicating an increase of the hile-reeins and the passage of a considerable

amount of albumen nnaltered.

The albumen used was procured by hailing the serum of hullocks' blood; the quantity averaged 8343 grains daily. No derangement of health ensued until after the 4th day, on which the amount consumed reached 12,725 grains; headache and slight fever accurred. On the 6th day, alhamen appeared in the urine. On the 8th, a severe diarrhoa ensued, which continued some days after the close of the investigatione. By deducting the amount of insoluble residue from the albumen ingested for each day, Dr. Hammend chtaine, as he states, the amount of nihumen absarbed; and then proceeds to calculate the actual amount of carbon introduced into the system, and to compare this with the amount required for respiration. He thinks he has proved that the system can nbsorh enough alhumen to support respiration, as the temperature of the hody was nearly maintained; and certainly, the daily variatione correspond closely with the amount of alhumen taken. But is there not an error in assuming that all the alhumen which was not absorbed would appear in the course of twenty-four hours in the fecee? We think so; and to support it, Dr. H.'s weight decreased continually except on twa days, when he consumed about 3000 grains of albumen more than usual; an these days his weight increased a few hundred grains. This has an impartant hearing upon the other point of the properties of the proportion of nitragen in the urea and urio acid to that absorbed. We cannot help thinking that a part of the alhumen remained unacted upon in the hawels, and caused tha dinrihon of the 8th day; and that if the stools had been watched for three ar faur days after the close of the experiments, n large amount of the alhumen would have been thus recovered. Of 100 grs. nitrogen absorbed, Dr. Hammand found hut 30.08 grs. in the urea and uric acid, instead of &, as etated by Lehmann; Rigg and Barral found but 50 per cent, and 42 per cent, respectively; so that we must either conclude that these observers were mistaken, or that the nitrogen sought some other way of exit, or remained permanently in the system. Of these, the second is the most prohable; the residue of the urine would probably have yielded enough to modify the above proportian cansiderably. The probability of some of the alhumen having escaped subsequently, must also be remembered. The diminution of the other-extract of the feces indicates that the fat resorbed from the system was consumed in respiration; while the increase of fibrin in the blood very likely was due to the inflamed state of the bowels.

Of the second series of experiments, we have not much to say. Dehility ensued on the third day; and saon after palpitation of the heart followed, with evident symptoms of deficient aeration of the blaod. Sugar appeared in the urine on the 5th day, and continued to be thus excreted for five days after the experiments terminated. The weight af the hody declined but slightly. The urea and uric neid were reduced (we regret to find no mention made of the presence or amount of hippuric acid); while the solid residue increased considerably, probably from the presence af sugar. The ether-extract af the feces

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was slightly lessened, the alcoholic and water-extract diminished considerably, while the insoluble residue was very small, thus proving that nearly all the starch (about 10,357 grs. per diem) ingested was disposed of. It should he added, however, that Dr. Hammond continued to lose weight for some days after the experiments ceased. From the analysis of the blood we learn that the fibrin, fat, and extractive increased considerably, while the blood-corpuscles, albumen, and salts diminished. The decrease of the latter is easily explained when we remember that the system was living upon itself. The increase of extractive (from 4.84 to 11.25 parts in 1000) corresponds closely with the amount of engar stated by Lehmann to exist in the blood before it appears in the urine, though unfortunately no absolute determination of its amount was made. The excess of fat is remarkable, and taken in connection with the fact that the system did not lose weight as might have been expected, indicates strongly the prohability of some of the glucose absorbed having been converted into fat. This is prohably the most interesting physiological point in the series; while we may take an important lesson in therapeutics from the op-pression of the circulatory system induced by the starch diet. We ought to be careful bow we administer amylaceous food to patients suffering under diseases of the respiratory organs, for by so doing we put an additional amount of lahour upon the latter. A decided increase of temperature and elevation of the pulse were noted by Dr. Hammond.

We hope that these are but the commencement of series of experiments by Dr. Hammond, whose careful precision and sound mode of reasoning admira-

bly fit him for his undertaking. Since the above was written, Dr. Hammond has kindly permitted us to test his vital capacity, which we find equal to 225 cubic inches. As he is not accustomed to the use of the spirometer, this probably fulls below his actual capacity, which may therefore he considered normal.

Ant. XXIII .- Essays on the Secretory and the Excito-Secretory System of Nerves in their Relations to Physiology and Pathology. By Henny France Campbell, A. M., M. D. One of the Vice-Presidents of the American Medical Association, and Professor of Special and Comparativo Anatomy, in the Medical College of Georgia (Augusta). With illustrations. 8vo. pp. 135. J. B. Lippincott and Co., Philadelphia, 1857.

We have experienced no little surprise at the apparent apathy with which the several communications of Dr. Campbell, in relation to the excito-secretory system of nerves, have been received by the physicians of this country. We had hoped that after the fact of the existence of an excito-secretory nervous action had been fully recognized, and publicly unnounced by so imposing an authority us the late Dr. Marshall Hull, of London, it would, at once, have attracted the attention it described on the part of such as had the time and talents for its further investigation—and of these we have, unquestionably, many in our midst—in order that so important a truth should be confirmed and clucidated, and its relations to physiology and pathology, already, in part, pointed out hy Dr. Camphell, more fully determined and developed.

Campell, more this determined and developed.

The importance of the discovery of an excito-secretory function as a key to the correct interpretation of many physiological phenomena, and to the clusionation of numerous pathological conditions, in regard to which we have, heretofore, heen groping in the dark, must be evident to every one upon even a superficial glance at the subject. To what extent it may lead to a modification and correction of our received opinions in respect to the correlation of divers vital notions, during a state of health, and the true character and connection of the diseased conditions of the several tissues and organs, is a question that can only he determined by future observations and experiments.

That the sensory nerves of the cerebro-spinal system, are not only excitors

of the motory apparatus, but that, under certain circumstances, most of them sustain, also, an onalogous relation to the secretory neres, exciting these, and modifying their action, and thus diminishing, increasing, and altering the secretions of the surfaces upon which they are distributed, according to the extent and character of the exetation applied, is a proposition that we helieve to be incontrovertible. In our opinion, the expositions of Dr. Campbell, though confessedly limited, and in many particulars defective, force upon us its adoption. The subject, nevertheless, still opens up a wide field for investigation on the part of both physiologist and pathologiet, and it is one that will amply repay those who sholl enter upon its cultivation, with the right epirit, and in the right direction.

Most of the essays comprised in the volume before us have been very fully noticed in former numbers of this journal, and a very full abstract has been lerady given, of the facts upon which are based the claim of Dr. Campbell to priority in the discovery and noming of the excito-secretory system of nerves—

which all must admit are clear, positive, and conclusive.

In the essay to which woe owarded the prize of the American Medical Association, at its tenth annual session (May, 1857), Dr. Camphell has endeavonred to demonstrate the foet that many of the important acts of nutrition and secretion are modified in both beolth ond disease, through the agency of the excitosecretory nerves, and that it is to aberrations in the functions of these nerves, that many of the heretofore mysterious phenomena of diseased action are moinly attributoble.

After a general view of the secretory system of nerves, in which certain ollied facts pertaining to the functions of the two grand divisions of the nervous system—the cerebro-spinol, and the secretory—are presented in a manner which Dr. C. has deemed hest calculated to enstoin the deductions be odvonces, subsequently, in reference to the excito-secretory function of the sensory nerves,

"We have seen" be remarks, "that to the ganglionic system, ond to this system alone, are confided all those important and mysterious processes which pertain to nutrition and secretion; or, in the words of Bichot, 'those thousand secret operations of a living body.' It presides over all our internal chemicovitol actions, superintending and directing all bleod-chonging processes, and instigating oil metomorphoses occurring in the intimote structure of the animal tissues. It is the system for the internol and individuol wonts of the organism, and its possession enobles the being to sustain on independent and individual existence, carrying on, to a certain extent, all strictly organio actions, without the aid of externol influences."

In exposition of the excito-secretory function, Dr. C. adduces the phenomenn produced in the secretory surfoce within, by impressions made upon the externol surfoce of the body. The sudden exposure of the enrose to a cold atmosphere, or to a cold stream of water, it is well known, will increase the urinary secretion. This fact has been variously explained. It has heen supposed by many that there exists an antogonism between the cutaneous surfoce, and the secretory tubules of the kidney, whereby, when the exhalent function of the first is arrested the secretory function of the latter is increased. This doctrine of antagonism, Dr. C. regards as altogether unphilosophical, whether applied to the kidneys, the mucous surfoce of the intestines, or to any other portion of the

animol organism.

"There is," he observes, "no such principle, in our hamble opinion, os anagonism to he recognized in any of the operations of nature in her conduct of
the vital processes, but a beantiful correlation and reciprocity are everywhere
manifest in her economy. Nor yet can we justly account for these sequences
upon the theory of revuleion, or a driving in of the blood upon the secretory
organ. The real explanation is far more simple, and far more in occordance
with the recognized principles of action in the nervous system. Under favourable circumstances, we irritate an excitor nerve, and we stimulate musculor
contractions, evidencing the existence of the excito-motory function. Now,
under the circumstances above related, the excitor or sensitive nerves, baving
received an appropriate stimulus, excite, through the medium of the spinal
centres, the action of those ganglia and filaments dominating the secretory or-

gans in question; they control, as we have seen, their circulation; they preside over their secretions, and thus stimulated, they are excited to modify the circulation and the secretion. So far this is a normal act, the result of that ordained and wholesome correlation established between the two portions of the organism through these two systems of nerves, the sensory and the secretory; but should the excitation he unusually strong, amounting to what is popularly termed a 'shock,' or too prolonged, we find the secretory system acting unduly, and this action is then carried to an abnormal extent: the dynamic act so modifies the circulation, that sccretion becomes oberrated, or even arrested, and, perhaps, n change in the condition of the tissue from altered nutrition may result. Dr. Marshall Hall thus remarks, in his recent article upon this subject: 'A partial keen current of air, falling on any susceptible portion of the skin, may induce inflammation in any susceptible internal organ. An extensive burn, or scald, is apt to induce pneumonia."

Dr. Campbell next examinee come of the phenomena occurring in the region of the fifth pair of nerves, which send certain filaments to the sensitive parts shout the eye, others to the teeth, and also sensitive hranches to the head and

"Under certain circumstances," saye Dr. C., "the sensitive conjunctival surface of the occular globe is exposed to a sudden draft of air, or to some mechanical irritant. The first effect occurring from this exposure, is an immediate increase in the secretion of the lachrymal gland. This may continue, or it may be entirely arrested after continuing for n time. Secondly, the eye hecomes perhaps dry, or it may become congested and secrete a puriform fluid, which, drying, closes the lids, or it may become entirely bloodshotten or exchywhich, drying, closes the hose, or himself, become enterly oversitions and even opacity of the cornea may result from thie taking cold. This is a condition of the parts, though arrived at much more gradually, which we find resulting from the experiments so repeatedly referred to in this paper, and our explanation of them is, that the sensitive fifth nerve becomes excitor through the spinal centre, to the modifications in the circulation, secretion, and nutrition of the eyeball, which acts are under the immediate reign of the ganglionic system. We can observe the same character of phenomena in the secretory lining membrane of the nostril, and also the same exposure to cold may, through the fifth nerve, or other sensitivo nerves, excite modified circulation in the fauces and pharynx through the secretory or mixed branches, which, together with the pharyngeal plexus, control the circulation of those mucons surfaces.'

In a consideration of the relation of the teeth to the sensory or excito-secretory branches of the trifacial nerve, and through them to the spinal marrow, and thence to the entire system, is to he found, according to Dr. C., nearly all that ie necessary for the full portrayal of the excito-secretory system. For, he remarks, in the phenomena which sometimee result from these relations, under particular circumstances, are to he found illustrations of almost every charac-ter and degree of modified secretion and nutrition.

In reference to those troublesome cutaneous eruptions so common in children at the period of teething, Dr. C. remarks, no rational and satisfactory explanation of their occurrence as concomitants of teething, had been presented be-

fore the enunciation of the doctrine of the excito-secretory function.

"A comprehension of that doctrine," he saye, "affords to them a ready interpretation hy referring them to the modified action of the secretory system controlling the capillary circulation of the cutaneous surface, which modifica-tion is excited through the dental filaments of the fifth pair, the spinal marrow, and that portion of the ganglionic system above referred to. In verification of this view of the influence of these connections, and also of the effect of the local irritation, we ask leave here to adduce an observation, which we are not nware has been recorded elsewhere. It is generally admitted, that at the termination of the period of dentition, that is, when the child has acquired all its teeth, the cutaneous cruption, of whatever nature it may have heen, subsides, and the skin resumes its natural condition, the patient not again being liable to its return. This, according to our abservation, is generally, but not invariably the case. We have observed certain instances in which the cruption had subsided for several years, when on the advent of the second dentition, it came out with nlmost its former violence and inveteracy, not subsiding until the second period was entirely completed. So frequent has the return of the eruption heen a subject of remark with as, that we now seldom encourage parents to expect permanent relief for their children, affected with these eruptions, until after the completion of the second dentition. Again, we find that children who have suffered severely during the period of dentition, are very liable to become affected with dropsy; this latter affection frequently presenting itself at the termination of the above cases. Since the announcement of the excitosecretory function of the nervous system, these cutaneous eruptions and dropsical affections which occur during dentition, in our opinion, need no extended and elaborate explanation."

"We are nware that the above phenomena, indicating embarrassed or aberated action of the secretory system of nerves, might receive an explanation in the fact, that during this period several of the important emunctories of the system, as the liver and kidney, suffer an prest, or nt least, a modification of their eliminatory functions, but we will not contend bere for the difference in the value of these two opinions; either one of them can only rationally explain the phenomena, by invoking the aid of the excito-secretory action originated by the irritation caused in the branches of the trifacial nerve, during the

evolution of the teeth."

From the foregoing, our readers will derive some idea of the manner in which the excito-secretory function is applied hy Dr. Campbell to the explanation of various morbid conditions of the organism. Other of his expositions—which are all ingenious and plausible, and bearing, apparently, the impress of truth—might be adduced. To establish fully the agency of the newly discovered function in the production of the foregoing, and various other abnormal phenomena, will demnd, however, a more extended and cautious series of experiments and observations—the combined efforts of many labourers through many years. Dr. C. is nevortheless deserving of the thanks of the profession, for having directed attention to a subject, at once, so interesting and so important, as well as for the efforts he bas already made in its elucidation and development.

The volume of essays before us is deserving of an attentive study and careful consideration on the part of every physician; should we have succeeded in directing to it the attention of such as may be inclined to investigate more

fully the truths it enunciates, we shall be fully satisfied.

D. F. C.

Aar. XXIV.—The Enlarged Prostate; its Pathology and Treatment; with Observations on the Relation of this Complaint to Stone in the Bladder. By Пемку Тионгом, F. R. C. S., &c. Octavo: pp. 320. London, 1858.

The Prostate Gland and its Enlargement in Old Age. By Decisius Hodeson, M. D., Demonstrator of Anatomy in the University of Glasgow. London, 1856.

Diseases of the urinary and reproductive organs have received at all times great attention, and the works treating of them are numerous. The body called the prostate gland, which occupies a very remarkable position, in regard both to the organs of urination and those of reproduction, has attracted nuch notice. Notwithstanding, bowever, the many works which treat of this body and its diseases, it must be admitted that there is room for a new one. Recent discoveries in general anatomy, the transactions of learned societies of the past few years, particularly those of the Royal Medico-Chirurgical Society and of the Pathological Society, of London, bear out the correctness of this assertion. In this Johrnni, in the April and October numbers of the past year, some account was given of several communications made by Mr. Thomp-

eon to the Medico-Chirnrgical Society; one, concerning the anatomy and pathology of the prostate gland, the other, concerning the nature of certain concretions found therein, and their relation to prostatic calculi. The character of these communications, and the excellence of his work upon a somewhat analogous subject, stricture of the nrethra, would lead us to expect much that is valuable in his treatise on the enlarged prostate.

The points to which Mr. Thompson desires especially to request the attention

of the scientific inquirer, are briefly stated, in the preface, to be as follows:—
"The assignment of the 'third' or 'middle' lobe, as a separate anatomical portion of the prostate, to the abnormal history of the organ; discussed in the first chapter.

"The analogy between the enlargements and tumours of the prostate and

those of the utcrus; discussed in the second chapter.

"An examination of the alleged causes of enlargement of the proctate, resulting in new views of thie subject; in the third chapter.

"The effects of enlarged prostate in relation to the functions of nutrition;

considered in the fifth chapter.

"The researches in relation to malignant and tubercular disease of the prostate; in the ninth and tenth chaptere (tenth and eleventh).
"The consideration of 'the har at the neck of the bladder;' in chapter the

twelfth."

The other chapters—there are fourteen altogether in Mr. Thompson's work treat of the symptome of enlarged prostate; the diagnosis of prostatic and other obstructions at the neck of the bladder; the treatment of senilo enlargement; the treatment of retention of urine from cularged prostate; onlargement of the prostate from inflammation; prostatic concretions and calculi, and the relation hetween enlarged prostate and stone in the bladder. It must not be supposed, from having directed particularly the attention of the scientific inquirer to certain portions of his work, that others have been neglected. Tho subjects, the list of which we have given, as occupying the remaining chapters, have been treated at length; more fully, probably, some of them, as the diag-

nosis and treatment of enlargement, than in any preceding treatise.

Although physiology is something more than "animated nnatomy," and a precise knowledge of structure does not always enable us to decide as to function, still there is a relation between structure and function which should not he overlooked. Experiments skilfully conducted have thrown light upon a few obscure phenomena of the animal organism, but by far the greater portion of the recent progress in physiology has been effected by the advance of our knowledge of anatomy. And when we speak of physiology, pathology also is meant; for all that we know with satisfaction, in pathology, has a physiological hasis.

Investigations in minute nnatomy, made in late years with so much zeal, have shown us that the hody called the prostate gland has no claims to be called "gland" nall; that is, in the usual sense of that term. It should he considered as only an advanced portion of the circular muscular coat of the hladder, having the power of acting independently of the vesical fibres, as is shown in the propulsion of the seminal fluid. A number of small urethral glands are contained in this muscular body, each of which has a separate duct opening into the gutter at the side of the verumontanum. It is the liquid from these glands that gives to the sperm its white colour; it is white, creamy, not at all tenacious, and is mixed with the other five liquids forming the sperm, at the moment of ejaculation.

The viewe of Mr. Thompson in regard to the normal and pathological ana-

tomy of the prostate are contained in the paper we have already referred to, as published in this Journal, for April, 1857. We have the strongest reasons to helieve in their correctness. In the preparation of that paper he made a dissection of sixty specimens of the prostate, removed himself from the dead hody, and in its illustration fifty of these specimens, preserved in spirits, were exhibited at the Medical and Chirurgical Society. The existence of a "third lobe," as a fact in normal anatomy, has never been admitted by European anatomists. Craveilhier says: "In the normal condition, the prostate does not

project into the canal of the nrethra; but it is not rare to see rising up from the inferior part of the canal of the nrethra at the level of the base of the prostate a more or lese projecting tubercle, which forms an obturator more or less complete at the entrance of the canal of the urethra; this is the tubercle designated by Licutaud under the name of luette résicale; by Everard Home, under the name of development of the middle lobe of the prostate. But, on one side, this tubercle belongs to a pathological condition; and, on the other, there is no middle lobe, unless it be desired to give this name to the slightly furrowed and consequently less thick portion, that unites the two lateral halves of the prostate." (Traité d'Anat. Descrip., vol. iii. p. 631, Paris, 1852.) In Eng-land and in this country, down to the latest treatises on the subject, a middle lobe is recognized, and any one who would take the trouble to concult the original paper of Home, in the Philosophical Transactions, 1806, would be astonished at the insufficiency of the grounds. A "third lobe" was proclaimed after five examinations of the organ by dissection. In these five dissections, the nuthor saye, "the appearance was not exactly the same in any two of them." In one of them, "there was no apparent glandular substance" at all in the spot indicated.

We are strongly inclined to agree likewise with Mr. Thompson in regard to the incorrectness of the general opinion as to the frequency of enlargement of the prostate in old age. His opinion is founded upon very numerous dissections, and moreover he finds the absence of anything abnormal which it is very difficult and rare to find, and when found is generally to be believed true. Ignorant persone are those most apt to find the most pathological conditions, and

this is particularly true of enlargements.

Mr. Thompson examined the prostate in the bodies of fifty elderly people, as they consecutively appeared in the dead-house of a large metropolitan institution, no kind of selection being made. Of the fifty prostates examined, fourteen were affected with unnatural developments in one form or another. Of these, six exhibited numerous isolated tumours in the substance of the lateral lobes. The others show outgrowthe, eingle, hinary, or multiple, epringing from the posterior median portion. These isolated tumours, as those of the uterus. called fibroue tumours, are formed of the same anatomical elements as the organ in which they are situated; organic muscular fibre. It is an interesting circumstance that the prostate-male homologue of the uterns-should exhibit constance that the product had such striking analogies in pathology with the latter organ.

From the facts he has advanced, Mr. Thompson believes that it may be re-

garded ae established, that enlargement of the prostate, "so far from being a charge invariably, or even usually precent in old age, is an exceptional condition. And it may be further regarded as highly probable that a elight tend-ency thereto, almost, if not quite unrecognizable during life, may occur in about one out of three individuals after fifty years, and that a marked enlarge-ment may be rarely met with in one ont of eight—rarely, however, before sixty

years of age"-(p. 67.)

The three chapters of Mr. Thompson'e work, the 4th, 5th, and 6th, treating respectively of the symptoms of enlarged prostate, of the effects of its enlargement upon mictnrition, and of the diagnosis of prostatic and other obstructions at the neck of the bladder, are most excellent. We notice with pleasure that he refuses to use the word incontinence, in the sense in which it is generally ased, that ie, as indicating a condition which, so far from being one in which the bladder cannot retain, ie one in which it retains too much. Thie misapplication of the term has been productive of fatal errore in practice. In his work on stricture, for this reason, the condition described was designated as "reten-tion with incontinence;" in this one he employs the word "overflow," a chorter and preferable term.

In the great majority of cases in which babitual retention of urine with overflow of a surplue portion exists, he does not hesitate to affirm, that the cause is a physical one; in other words, "that there is an organic obstruction at some part of the urethra, situated either at its commencement in the neck of the bladder, when it is usually constituted by enlarged prostate; or in a portion of the canal anterior thereto, when it usually takes the form of permanent or organic

stricture"—(p. 84.) He does not enter into any discussion of the subject, preferring to regard it as a questian af fact, rather than as a theme for abstract reasoning. "Experience alone has led him to reject the impalpable cause, and to appreciate the material ane, and to an extent sufficient to warrant him in referring to the fact alone for corroboration of the assertion made above."

The only exceptional cases, he allows, are those in which there is a cerebral or spinal lesion of some kind, which paralyzes more or less completely the nerre functions of motion, vuluntary and invaluntary, of sensation, or of sensation and motion combined, of the while hody helow the situation of the injury, and those cases in which, fater voluntary retention of uninc, there is overdistension and atony of the hladder. In these latter cases, to which the term of paralysis has been applied, there is no evidence whatever that the lesion consists in any loss or impairment of the nervous force transmitted to the viscus; the smuscular expelling apparatus af the hladder is neverstretched, and unable to perform contraction in a narmal manner for a certain time. Paralysis of the hladder—that is, a condition of things in which its nervous supply is either impaired or destroyed—Mr. Thompson does not believe to ever exist. "There is no evidence of the existence of true paralysis—that is, a removal or impairment of nervous influence timed to the bladder."—[p. 104.)

The paralysis of n muscle, after the section of a particular nerve, is easily understood; hut it is very difficult to understand a partial paralysis from a general cause. Nevertheless, such cases are witnessed; every one, for instance, has seen paralysis of ths radial nerve, from the effects of lead upon the system; and also, in hysterical women, paralysis of ths third pair. There is no reason, therefore, for not admitting partial paralysis, limited to the bladder. Mr. Thompson denies it hecause he has never seen it; but other persons, well worthy of eredit, have reported cases of the kind.

The chapter (6th) on the treatment of senils enlargement of the prostate occupies sixty pages. We think we may safely assert that no preceding author has treated the subject so carefully and so satisfactorily. The subject is divided into three distinct divisions, and they are considered separately, as follows:—

"1. Treatment for the purpose of ohvinting the results of obstruction caused by enlarged prostate.

"2. The general, or constitutional treatment and management of patients with enlarged prostate.

"3. Treatment directed against the enlargement itself."

This complaint is one generally admitted to be completely intractable, and the surgeon almost invariably limits himself to palliating its most distressing symptoms, and to retarding its progress. Mr. Thompson, however, does not doubt that "the day will come when the complete control of this evil will be in our power, adding another to the already numerous and splendid triumphs of scientific medicine;" and urges with confidence and hope the employment freatment against it. Though strongly advocating treatment directed against the enlargement itself there is also a most careful description of those means which past experience and skill have placed in our power for prolonging the life and insuring the comfort of the patient.

There exists a certain analogy, as has been already said, between prostatic and uterine enlargement. The influence of iodine and of its congener brownine over these affections of the uterus being testified to by many men of the highest calebrity, it is only a legitimats inference to affirm that there may be good grounds for helieving that these remedies may be similarly effectual in those of the prostate. Some years ago, Mr. Stafford, in an "Essay on the Treatment of some Affections of the Prostate Gland" (Landon, 1840), called the attention of the profession to the use of indine and its preparations for the roward of prostatic enlargement. His plan consisted in administering iodine internally hy suppositories in the rectum, occasionally by the mouth, and in supplying it to the prostatic portion of the urether in the form of a weak ointment. Mr. Stafford affirms to have hen successful in a large number of cases, in causing the disappearance of the enlargement. For some reason or other, although very partial to the employment of iodine, and openly declaring his

belief in the efficiency of treatment, Mr. Thompson speaks of Mr. Stafford and of his plan of treatment with great harshness. After doubting his powers of diagnosis and his accuracy in reporting, he adds: "All that can be said further is, that the success was marvellous, and that other surgeons have been less fortunate, notwithstanding that Mr. Stafford's experience certainly induced

numerous trials of his remedies by others."

The plan recommended by Mr. Thompson himself is the use of the water from the highly charged iodine and bromine springs of Kreuznach in Rhenisb Germany. Knowing that uterine enlargements were often much benefited hy it, he visited the springs for the purpose of inquiring as to its influence upon chronic enlargement of the prostate, and, from the report of the physician, was satisfied that valuable results were obtained from its employment. This water, or ordinary water to which the bittern or mother-lye of the Kreuznach springs has been added, he uses as a bath, and also as an enema. No results are given of the effects of this plan of treatment. We doubt whether many surgeons will make use of it in preference to the treatment recommended by Mr. Stafford, and which is spoken of by Mr. Thompson with such disrespect.

Besides the medical part of the special treatment to be directed against the enlargement, there is also the mechanical. The effect of compression in retarding the progress of morbid growths and enlargements has long been recognized, and is constantly employed with success. The attempt has, therefore, been made to effect the reduction of the enlarged prostate by the same agency. Physick, in this country, attempted to accomplish this object by distending with fluid a small bag of gold-beater's skin, previously rolled up and introduced on the end of a catheter, into the bladder; and by then attempting to withdraw the dilated sac through or into the vesical orifice. Mr. Thompson says: "Provided that, without difficulty or danger to the patient, an efficient degree of compression could be applied with ease and certainty to the prostate and neek of the bladder, I think it reasonable to suppose that considerable benefit might necrue from its application." The instrument be recommends is composed of a catheter, an India-rubber tube fitting over the catheter, and a syringe. When the tube is drawn over the catheter and fastened by a thread of silk close to the handle, on applying the syringe previously filled with water, and making pres-sure, the fluid passes through the eyes of the eatheter, and the lower three inches of the tube hecome very gradually distended, equally in every direction. The manner of employing the instrument is so simple, that it searcely requires

Operations for the excision or the crushing of a protruding portion of the prostate, Mr. Thompson mentions only for the purpose of expressing his disin the discussed bere, but it is in the twellth chapter, one devoted to the consideration of "the hor at the new for the the twellth chapter, one devoted to the consideration of "the hor at the new of the hinder."

sideration of "the bar at the neck of the bladder.

The different operations for puncturing the bladder, which, though very rarely, is, nevertheless, sometimes necessary, are judiciously examined. The one, by which an opening is made through the symphysis pubis, a very interesting ease of which was reported in this journal for April, 1854, by Dr. Leasure, of New Castle, is thus judged: "The experience of the operation of puneture through the pubic symphysis is not extended enough at present to permit of a comparison being made in regard to its results, with other modes; but that it is sufficient, coupled with the apparent advantages derived from anatomical considerations, to recommend the operation to the test of practice, in order that its merits may be duly ascertained." When fluctuation can be felt with the finger in the rectum, behind the prostate, this is the easiest and safest mode of giving exit to the urine. The great objection to this operation by the rectum is said by Dr. Gross (Practical Treatise on the Diseases, Injuries, and Malformations of the Urinary Bladder, &c., 2d edit, Philad. 1855, p. 389), to be the formation of a vesico-rectal fistula. We are inclined to think, however, that this is incorrect; Mr. Cock, of Guy'e Hospital, who has performed this operation twenty-four times, and seen it done at least twelve times more, never saw

a fistula left. In fact, there would appear to he difficulty in preventing the opening from closing immediately.

The three following chapters of this work are upon enlargement of the prostate from inflammation; an malignant disease of the prostate, and on tubercular disease and eysts of the prostate. This part of Mr. Thompson's work is not so satisfactory as the rest. Several things of importance have been left unsentioned; for instance, there is nothing said of the necessity of introducing a catheter after the inflammation has terminated in abscess, which has opened into the urethra. Dr. Hodgson, in his work, insists upon the necessity of introducing the instrument, but he advises the use of a small instrument retained in the bladder by the usual means, for "the urine then flows through the instrument without entering the savity of the abscess, while the small size of the catheter permits the matter to escape by its side." Whenever a catheter is retained in the bladder, at the expiration of twelve hours, or thereshouts, the urine flows away by the side of the instrument, which acts as a sort of conducting tube. It is, therefore, better for the surgeon to introduce the instrument and to draw off the water as often as may be required.

The twelfth chapter is devoted to "the har at the neek of the bladder;" an affection so closely related to enlarged prostate, by identity of anatomical situation, and of the symptoms resulting, that it is impossible to treat of one without also considering the other. In the majority of cases in which there exists an organic obstruction, having more or less the form of a ridge or harrier, situated at the posterior horder of the neek of the bladder, this unnatural elevation is believed by Mr. Thompson to be constituted by an outgrowth arising from the posterior median portion of the prostats. When an obstruction does exist, without the prostate heing affected, he helieves it to be most commonly owing to an undue elevation of the ruvula, associated with hypertrophy of the muscular elements of the bladder, originating in long-continued irritability of the viscus, and generally occasioned by stricture of the urethra or calculus of the bladder. He believee also that a fold of mucous membrane and submucous rissus may form a barrier though this very rarely heavens.

and submucous tissue may form a barrier, though this very rarely happens.

The operations which have heen performed and recommended by Guthrie, Leroy d'Etiolles, and particularly hy Mercier, for the purpose of practising incisions in this barrier, are described and discussed. Befors resorting to them Mr. Thompson prefers to be fully assured that dilatation is unequal to affording relief; for it is a method which has yet to be fairly and effectively employed in these cases.

His views upon prostatic concretions and calculi, the subject of the tbirteenth chapter, may he sufficiently judged from the account niready given of them in this joinnal for October, 1857.

In the fourteenth chapter is an excellent account of the relation hetween enlarged prostate and stone in the bladder. It is a chapter, bowever, which struck us as heing rather out of place, in a work of this kind, and as belonging to one on lithotrity.

Mr. Thompson's work, we feel assured, will be well received hy surgeons.

Mr. Thompson's work, we feel assured, will be well received hy surgeons The whole of it is valuable; and the first eight chapters are eminently so.

In Dr. Hodgson's treatise, the descriptive anatomy of the prostate, and its general anatomical relations are given in minuts detail. They are also correctly represented by plates attached to the volume, among which are a number displaying their pathological alterations. This book loses somewhat of its value by a lack of method in the arrangement of the subjects; in which, we would add, Mr. Thompson's excets.

W. F. A.

¹ See his paper in Medico-Chirurgical Transactions, vol. xxxv.

ART. XXV.—A Practical Treatise on the Diseases of Children. By J. FORSYTH MEIGS, M. D., Fellow of the Collego of Physicians, of Philadelphia, etc. etc. Third edition. Carefully revised. Svo. pp. 724. Philadelphin: Lindsny & Blakiston, 1858.

Or the first two editions of this treatise we expressed, at the time of their appearance, a highly favourable estimate. In the edition hefore us the work has undergone n very careful revision, while such additions have been made to it as the author's more enlarged experience, and the contributions of contemporary observers, both at home and abrond, have furnished. The treatise will, in consequence, he found a very excellent and faithful guide to the pathology and treatment of the more prominent of the diseases of childhood. Unfortunately, the author has not yet found the opportunity to complete the work, hy adding an account of those diseases which were not included in the preceding editions. To the practitioner this is a circumstance of minor importance; but to the student, who consults the work as a complete treatise on the diseases of children, it will he a source of some annoyance to find that he must refer to other works for information in reference to effections peculiar to the period of childhood, on which Dr. Meigs has neglected to treat. So well has the nuthor accomplished his task, in reference to the diseases embraced in this third edition of the treatise, that we most fervently desire that the leisure necessary to pen the chapters still wanting to complete the work in accordance with its title, may he speedily furnished him.

D. F. C.

ART. XXVI.—Journal de la Physiologie de l'Homme et des Animaux. Publié sous la Direction du Docteur E. BROWN-SÉQUARD. Tome Premier, Januère 1858. Paris, J. B. Bailliore et Flis. London and New York, H. Bailliere.

The appearance of a journal devoted especially to physiology, and under the management of one so capable of successfully conducting it as Dr. Brown-Sequard, is an event which all who feel the stimulus engendered by progress in rational medicine, must regard with no ordinary feelings of interest. In whatever light we view physiology, we cannot fail to perceive that on the facts which constitute that science, reposes the whole structure of the healing art, and that with the further development of the former, we have the most ample assurances of continued advancement in the scientific appreciation and trentment of disease.

The success of n journal restricted to the consideration of hut one hranch of medical science, may he doubted by some, hut when we reflect that though cultivated assiduously for centuries, by learned men of all civilized nations, physiology is nevertheless yet in its inflancy, we see no reason to anticipate finilure. For to whatever point of the science we direct our attention, we find so vast a field for investigation, that one not actuated by the high motive of labouring for the good of his species, might well he dismayed at its contemplation, and falteringly turn maids from a work which requires such unremitting smerifices for the exclusions high mental to the most simple fact.

for the establishment of the most simple fact.

The perseverance and ability of the editor of the Journal de la Physiologie, are ample guaranties that the periodical he has undertaken to conduct, will accomplish much for scientific medicine, and if future numbers reach the standard of excellence attnined by the number before us, it will, indeed, he n valunhle addition to medical periodical literature.

In order that our readers mny form an idea of the subjects treated of, we sabjoin n list of the original memoirs:—

1. On the Lnws which govern the Dynamical Phenomens of the Animal Economy. By M. Brown-Séquard.

2. Mcmoir on the Temperature of the Palmiped Birds of the North of Europs. By M. Ch. Martins.

3. Note on the Low Temperature of certain Long-Winged Palmipides. By M.

Brown-Séquard.

4. Memoir on some Points in the Anatomy and Physiology of the Mucous Membrane and Epithelium of the Uterus during Pregnancy. By M. Ch. Robin. 5. Researches in regard to the Effect produced on the Circulation by the pro-longed application of Cold Water to the Surface of the Human Body. By Dr.

H. Bence Jones and M. W. H. Dickinson.

6. On certain Improvements in the means of establishing Artificial Gastric

Fistulas. By M. Blondlot.

7. Experimental Researches on the Physiological Properties and Actions of the Red and Black Blood. By M. Brown-Séquard. 8. Experiments with the Stuffs used for Military Clothing, considered as Pro-

tective Agents against Heat and Cold. By Dr. Coulier. 9. New Researches on the Physiology of the Spinal Marrow. By M. Brown-

Séquard.

10. Experiments on Digestion. By Dr. F. G. Smith (reprint).

11. Experiments relative to the Transformation of Starch into Glueose in the Stomach. By Drs. F. G. Smith and E. Brown-Séquard. 12. New Researches relative to the Importance of the Functions of the Su-

prn-renal Capsules. By M. Brown-Séquard.

13. On the Modifications effected in the Globules of the Blood of Mammals, when injected into the Vessels of Birds, and in the Globules of the Blood of Birds, when introduced into the Vessels of Mammals. By M. Brown-Sequard.

We are unable to notice in detail all the above memoirs, but this is of the less consequence, as the results of several of them have been already published through other channels. Even these, however, contain new facts, and are well

worthy of attentive perusal.

The memoir of M. Martins, and the note on the sams subject by M. Brown-Séquard, are particularly worthy of consideration, as containing some interesting and accurate results relative to the temperature of the pulmiped birds of the North of Europe. From these researches it is seen that some of the longwinged members of the order, especially the fulmar petrel (Procellaria Glacia-lis), possess a temperature markedly lower than would he pre-supposed from n knowledge of their habits.

The paper of M. Coulier, relative to the protecting power against heat and cold possessed by the clothe used for the manufacture of military clothing, though interesting, is not so complete and satisfactory as it should he for the

thorough elucidation of the subject.

M. Coulier seems to he unnware of how much has hitberto heen done hy others in this matter, and that, consequently, he has been unticipated in the more important of his conclusions. The subject of his mamoir is of so great interest in n hygicnic point of view, that we hope our readers will pardon us, if he fore stating his results, we recall to mind soms of the facts in regard to it, which may he considered as definitely established.

In 1792, Count Rumford instituted a series of experiments relative to the infinence of colour over the amount of solar heat absorbed in a given time. found that, cæteris paribus, hlack was pre-eminent as absorbing more heat than

nny other colour.

Franklin's researches followed, and were more complete and decisive than Rumford's. This philosopher exposed cloths of different colours, laid on snow, to the heat of the sun, and observed the different relative depths to which they sank. From his experiments, he deduced the conclusion "that black clothes nre not so fit to wear in a hot sunny climate as white ones, because in such clothes, the body is more heated by the sun when we walk abroad, and are at the same time heated by the exercise, which double heat is apt to bring on putrid dangerous fevers." Hc, therefore, thinks that soldiers and sailors in fropical climates should wear white uniforms, and that white hats should be generally worn in summer.

In 1799, Sir Humphrey Davy took up the subject; his experiments were per-

formed with pieces of copper of various colonrs, on the under surface of which cerate was spread. His results accorded exactly with those of Franklin.

Stark, in a paper read hefore the Royal Society in 1853, and published in the Philosophical Transactions for that year, contributes a good deal of valuable information on the subject. The results which he obtained agree in a striking manner with those of Franklin and Davy, as seen from the following table, in which the several colours experimented with are arranged in the order of their absorptive power:-

FRANKLIN.	DAVY.	STARK.	
		Coloured Wool.	Coloured bulb of Therm.
Black	Black	Black	Black
Deep Bluo	Blno	_	Dark Blue
Light Blue	_		Brown
Green	Green	Dark Green	Green
Purple	_	-	_
Red	Red	Scarlet	Orange Red
Yellow	Yellow		Yellow
White	White	White	White.

In the Journal of the Franklin Institute for November, 1833, Prof. A. D. Bache, of this city, gives the details of a series of experiments which he instituted on the same point. Prof. Bache concludes that the colour of a substance only affects its absorptive power for luminous heat, and that if a person keeps in the shade, it is immaterial what is the colour of his clothing.

In relation to the influence of colour over the absorbent power of a substance for moisture, Stark, in the memoir above referred to, furnishes some important

results, to which we may briefly call attention.

On the 10th of January, 1833, he exposed during a foggy night 10 grains of black wool, 10 of scarlet wool, and the same quantity of white wool, to the action of the atmosphere. When weighed in the morning, the black wool had gained 32 grains, the scarlet wool 25 grains, and the white wool 20 grains, deposited as frost.

At a time when there was less moisture in the atmosphere, he repeated the experiment. When the wool was weighed, the black had gained 10 grains; dark green 9.5; scarlet 6; and the white 5 grains. It is thus seen, that a direct relation exists between the capacity of a colour for heat and for moisture.

We come now to M. Coulier's conclusions, which are based upon a number of experiments, evidently performed with great care, but which, with the exception of the second, are by no means original. His deductions are as fol-

1. The colour of the clothing is without perceptible influence over the loss of animal beat.

2. All cloths are capable of absorbing a certain amount of hygrometric water [so called on account of its only being appreciated by the balance, or by the lengthening of the textile fibres]; this quantity is greatest for wool, next greatest for hemp, and least for cotton.

2. This absorption is made without the immediate loss of caloric by the

human body.

4. The colour of a cloth exercises a great influence over the absorption of solar heat, but whatever may be the character of the clothing, if its exterior surface he suitably modified, all the advantages which white stuffs possess when subjected to the beat of the sun are obtained.

The modification referred to in the fourth conclusion, consists in wearing a

white frock over the coloured uniform.

In this country, where our army has so much frontier service to perform, in which the troops in summer are subjected all day on the plains to the heat of an almost tropical sun, and in winter are exposed to snows, rains, and a tem-perature frequently several degrees below the zero of Fahrenheit, the subject of clothing for the soldier has not attracted that attention from the authorities which it deserves. In winter or summer, in Texas or Maine, in Florida or on the Pacific coast, the clothing of our soldiers is the same, the only difference

being, that when occasion requires it, they are allowed to wear their overcoats. The colours (durk blue for coats and light blue for trousers), though very good for winter use, are almost the very worst which could he worn for summer service.

Besides the original contributions, there is in this number of the Journal de la Physiologie un excellent résumé of the recent progress of physiology, in

which abstructs of several important memoirs are given.

In conclusion, as we have suid before, we see no renson why the attempt to establish n physiological journal in France should fail. In Germnny several have then in successful existence for n number of years, and are among the most valumble medical periodicals published. We are sure that, with the acknowledged ability of the editor, and the nid of the numerous eminent physiologists, who have arisen in France, of late years, the Journal de la Physiologic will assume a permanent and exalted position as an exponent of progressive physiological science.

W. A. II.

ART. XXVII.—Comptes Rendus des Séances et Mémoires de la Société de Biologie, pendant l'année 1856. Octavo, pp. 748. Paris, 1857.

Minutes of the Meetings and Papers read before the Society of Biology in the year 1856.

THIS, which is the eighth volume of the Transactions of the Biological Society of Paris, is not inferior in interest to those which have preceded it.

Founded in 1849 by the most talented and lahorious young men of the French capital, and having as perpetual president M. Rayer, a man who is celebrated not only as a pathologist, but also for his acquirements in natural science, and his generous aid to those who are zealous in its cultivation, this society has, since that time, heen yearly giving evidence of its valuable and well-directed lahours.

Instituted for the study of the science of organized beings in the normal and the pathological condition, the subject of study embraced by this society is vast. Living beings are not withdrawn from the action of the general forces of nature, and all the phenomena, whether mechanical, physical, or chemical, which occur in inorganized bodies, are observed in them. They are, moreover, subjected to the influence of life, also, a force peculiar to them, and which gives rise in addition to phenomena entirely special. This force—life—co-ordinates the chemical and physical forces so as to produce phenomena seen only in organized bodies, but it is not substituted for these forces, nor does it arrest their results.

The society is composed of titular or active, honorary, associated, and corresponding members. The number of the first is fixed at forty, of the second at lifteen, of the third at twenty, and of the last at eighty, all of the liste heing complete. In the whole number, there is not a name which is not well known as that of a distinguished caltitutor of science. Among the original members, those hy whom the society was founded, and who, to this day, have continued its most notive members, are Claude Bernard, Charles Robin, Brown-Sequard, Follin, Lehert, Cazeau, Giraldès, Hirchfeld, Verdeil, and Verneuil.

The comptes-rendus, or minutes, of the meetings of the society, published every year, in one volume, together with the memoirs, form a mass of valuable and interesting information. Among these memoirs, or original papers, are those of Bernard on the pancreatic juice and its part in the phonomena of digestion, on the origin of sugar in the animal economy, on the different sali-

¹ The members of the Biological Society hold their meetings in an ancient huilding, which was formerly a portion of the Convent of the Cordeliers. This building, during the great revolution, was used for the meetings of a society of the most violent of the Jacobins; so that the society of life has taken the place of the society of death.

vary fluids, and on the great sympathetic nerve, and especially apon the infinenco exercised by the section of this nerve upon nnimal heat; those of Lebert, on the local and general nature of tumonrs, and upon inflammation; those of Robin, on the development of the substance and the tissue of bones, on crectile tumours, on colloid and epithelial tumnurs, and upon hypertrophy of the anatomical elements and those of the tissnes; thuse of Sappey, npon the glands of the eyelids and of the pituitary memhrane, on the anatomy of the eye, and on the structure of the tonsils and glands at the hase of the tongne; the paper of Brown Sequard, containing his experiments upon the nervous system; and that of Davaine, upon hydatids and their development. These are some of the papers which are of most interest to a medical mnn. The chemist, the biologist, and the zoologist, will find others of grenter interest, probably, in the contributions of Rnyer, of Montagne, of Mayer of Geneva, Huette, Guhler, and Davnine.

That the zenl of tho members of this society does not diminish is evidenced by the fact that, while the first annual volume of their proceedings contains 362 pages, and the second 461, the present volume contains 748 pages. The nature of their lnhours may be judged from the table of the original papers, which is as follows:-

The physiological and therapentical action of the chlorate of potasb, by M. Isamhert.

Bronzed coloration of the skin, coinciding, in n phthisical patient, with fatty degeneration of the two supra-renal capsules, by M. Second Féréol.

An offection characterized by palpitations of the heart and arteries, tumefaction of the thyroid gland, and double ex-ophtbalmia, by M. Charcot.

The mensuration of the facial angle, facial goniometers, and a new facial goniometer invented by the nuthor, by M. H. Jacquart.

Leucocythemia, by MM. Isnmbert and Robin.

Unilocular cyst of the ovary, by M. A. Laboulhène.

The existence of a co-ordinating principle of writing, and its relations with the co-ordinating principle of speech, by M. Marcé.

Spontaneous amputation of the neck and trank, by the umbilical cord, in the focus, by M. Hillairet.

Physiological study of the warm of the trank.

Physiological study of the venem of the toad, the triton, and the salamander, by M. Vulpian.

Hemorrhages of the ovarian vesicles, by M. Robin.

Natural history of an insect of the order of coleopteri, which produces a

gall upon the draba verna, by M. A. Laboubène.

A gall of the tamarix brachystylis, by M. Amblard.

Proof that various tumours, called sarcoceles of the testicle, bave their seat in the epididymis, by M. Robin.

The characteristic cavities of bones, by M. Robin.

The anguillulus of smutty wheat, considered in regard to its natural history and to agriculture, by M. Davaine. The aortic narrowing at the place of junction of the ductus arteriosus, by

M. Dumontpallier. The pathological anatomy of the elephantiasis of the Arabs, by M. Vulpian.

Studies upon monorchidia and cryptorchidia in man, by M. Godnrd.

ART. XXVIII.—Archives of Medicine. A Record of Practical Observations and Anatomical and Chemical Researches connected with the Investigation and Treatment of Disease. Edited by Linnel S. Beale, M.B., F.R.S., &c. &c. London: John Churchill. 1857. No. 1.

Dr. Beale, under whose unspices the Archives of Medicine makes its appearance, is pre-eminently a practical man, and from his knowledge of physiology, pathology, chemistry, and microscopy, every wny fitted for the undertaking in

which he has engaged, and to which he seems so earnestly to have devoted

In the advertisement prefixed to the first number, Dr. Bealo enumerates the following as the subjects upon which he expects to receive contributions :-

1. Practical clinical observations.

2. Original researches in physiology and pathology.

3. Results of the chemical and microscopical examination of the solid organs, and secretione in a healthy and morbid state.

4. Descriptions of different processes employed for demonstrating various etructures, and for carrying out scientific inquiries hearing upon medicine.

5. Condensed reports of the researches of observers published clsewhere.

If the nnticipations of Dr. Beale are realized, he cannot fail to present a journal capable of conducing in a high degree to the advancement of scientific medicine.

The papere contained in the present number are all of them of a highly practical character, and, with the exception of two, contributed by Dr. Bealo hinself. Among these is a very interesting one "On the Manner of preparing Injected Preparations of the Liver," which we commend to those engaged in micro-physiological investigations. The papers "On Microscopical Drawings;" "On the Presence of Cholesterine in the Urine;" "On Chylous Urine," and the two articles "On the Anatomy and Pathology of the Liver," are also worthy of attentive perusal.

Dr. Moritz von Bose contributes a paper, to he continued in the ensuing number, "On the Estimation of Urea, Chlorides, Sulphates, Phosphates, and Sugar in Urine volumetrically." This, we believe, is the first uttempt to place before the profession in Great Britain n connected and detailed description of those volumetrio processes for the analysic of the urine which have for the last few years been so successfully employed in Germany. For ease and certainty in manipulation these methods are unsurpassed; and we know of nothing hetter calculated to insure necuracy in results, and, at the same time, by facilitating enfeulated to insure necuracy in results, and, at the same time, by tachitating physiological researches, to increase the number of labourers in the field, than the wide-spread diffusion of such papers as the one now under notice.

An article follows, "On the Chemical and Microscopical Examination of Morbid Specimens," in which several interesting cases are cited.

The number, besides eeveral woodcuts, is illustrated with ten octavo pages and the several page of the pag

of lithographs, which, if not executed in the highest style of the art, pro nmply sufficient for the purpose of correct representation, and add very much to the value of the papers to which they refer.

In the enterprise which he has undertaken, Dr. Beale will, we hope, he sus-

tained by the enlightened members of the profession on both sides of the Atlantio.

ART. XXIX.—A Theoretical and Practical Treatise on Midwifery, including the Diseases of Pregnancy and Parturition, and the Attentions required by the Child from Birth to the Period of Weaning. By P. CAZEAUX, Memher of the Imperial Academy of Medicine, Adjunct Professor in the Faculty of Medicine of Paris, etc. etc. Second American, translated from the Fifth French edition. By Ww. R. Brillouf, M. D. With one hundred and forty illustrations. 8vo. pp. 992. Philadelphia, 1857. Lindsay and Blakiston.

The Wise Man has said that, "of the making of many hooks there is no end." Most truly is it, that of the publication of many treatises on the theory and practice of midwifery there is no end. We have niready so many admirable works of this kind, from any one of which all the necessary knowledge, so far as that knowledge can he communicated by hooks, may be acquired, that the student and young practitioner can he at no possible loss in his selection of an obstetrical guide. He will certainly not be disappointed, and can ecareely he led astray in any important particular, whether in relation to doctrine or practicul details, shoold he make choice of the admirable treatise of Meigs, or of the equally excellent one of Ramshotham, or of Righy, Lee, Churchill, or Cazeaux. The latter work, in the edition hefirs us, is one of unquestionable excellence. Every portion of it has undergons a thorough revision, and no little modification; while copions and impuriant additions have heen made to nearly every part of it. The author has selected from every authoritative source, whatever hears the impress of truth, and has heen sanctioned by the concurrent experience of the masters of the obstetric art. Out of these materials he has formed a hody of doctrine and afronond practical precepts which he communicates, illustrates, and enforces with great directness and perspicity. The work is, in fact, precisely what it imports to be, a theoretical and practical treatise on midwifery, hased upon the labors of all untecedent writers in that department of medicine, tested and confirmed by the nuthor's own observations and experience.

It is well and heactifully illustrated by numerous wood and lithographic engravings, and in typographical execution, will hear n favournble compurison with other works of the same class.

The translation appears to ns, so far ns we have compared it with the original, to be faithfully and correctly executed.

D. F. C.

ART. XXX.—A Manual of Medical Diagnosis: being an Analysis of the Signs and Symptoms of Disease. By A. W. Barchar, M. D. Cantah. et Edin., Fellow of the Royal College of Physicinus; Assistunt Physician to St. George's Hospital, etc. etc. Philadelphia: Blanchurd & Lea, 1858. 870. pp. 423.

The design of this work is to nid the student of medicine in the prosecution of the inclined studies. If it be well adapted to this end, its usefulness will be hy no means restricted to the period of medical pupilage, for every practitioner, great as may he his skill in diagnosis, hased upon un experience ever so extended, must often feel doubt and difficulty, at the bedside, in the discrimination of diseases. The importance of diagnosis, as a province of medical science and art, can hardly he over-estimated. It does not, it is true, constituts the whole of medical science and mrt. The practice of medical involves something more. But it is the keystone of the nrch. Without it, therapeutics are timeless, or as likely to be directed for evil as for good. All medical experience, whether it be confined to the individual, or contributed to the public stock, is either worthless or pernicious, unless hased on a correct discrimination of discases. In view of the importance of the subject and the paucity of treatises devoted to it specially, it was quite unnecessary for the nuthor to apologize for his undertaking.

After introductory remarks, the consideration of the method of diagnosis, etc., the author treats of the objective and subjective phenomena referabls to the general condition of the patient; febrile diseases; rheumatism and gout; poisons and entozoa; diseases of uncertain or variable seat; chronic blood allments; depraved constitutional states, and quasi-nervous conditions. These occupy about one-third of the volume. The remainder is devoted to this diagnostic phenomena pertaining to particular anatomical systems and organs. Fifty-eight pages are appropriated to the semeiology of diseases of the brain and nerves; diseases affecting the intra-thoracic viscera occupy over an hundred pages; fifty pages are allotted to diseases of the organs of digestion; nearly the sams number to diseases affecting the genito-urinary system; and anieteen pages to diseases of the skin. The work is furnished with a copious iodex in addition to a table of contents.

The author does not claim to have advanced any novel views. Without niming to enlarge our knowledge of medical diagnosis, bis object is to present an analysis of the symptoms and signs of disease, alrendy smiliciently established.

No. LXX.—APRIL 1858.

The originality of the work is in the arrangement of subjects and the manner of making the reader acquainted with well-known facts. We think it would bave been better had the plan of the work been either more or less comprehensive. As it is, he gives us as much, but not much more, relating to diagnosis, than is embraced in most of the treatises on the practice of medicinc. A volume of a little over four hundred pages is insufficient to do justice to the diagnostic points involved in the discrimination of nearly all the diseases in the nosological calendar. In giving to the work so wide a range, and yet restricting its size within moderate limits, a degree of condensation was necessary, which renders it less rendable and satisfactory than if the nuthor had accorded to himself greater space; and if a larger hook was considered objectionable, we cannot hut think that the work would have been more attractive and useful had its scope been loss comprehensive.

In several instances the signa diacritica of diseases are treated of so briefly as to be likely to leave in the mind of the inexperienced reader an erroneous impression respecting the difficulty of the differential diagnosis. As an example, we may specify croup. The diagnosis of this nifection is considered in a page and a half, and the distinctive features of true, as contrasted with those of false croup, occupy twelve lines! Again, pleurodynia, as distinguished from pleurisy, is disposed of in a single paragraph; and the diagnostic points which characterize intercostal neuralgia, are not even alluded to. Under the head of "alterations of sensibility," we were disappointed in finding no reference to the hyperestilesia of the abdomen, which simulates some of the most promu-ment of the symptoms of peritonitis, and not unfrequently misleads the young practitioner; nor is this condition mentioned under the hond of peritonitis.

We cite these simply as illustrations to which others might be added.

We have not proposed to ourselves to write a critical review of the work. Were we to do so, we should he compelled to notice several inaccuracies which arrested our attention during its perusal. Some of these seem to arise from want of care in the composition. We cannot, for example, suppose that, with due reflection, a practitioner of Dr. Barclay's experience would make the following statement: "Irregularity of pulso invariably indicates disease of the heart" (p. 190). As another instance of a careless mode of expression, we quote the following: "The duration of the different affections of the chest varies in a very remarkable degree; it is that a few days in a convenience in in a very remarkable degree; it is but a few days in acute inflammation; in ehronic bronchitis and phthisis, the more severe symptoms may he spoken of as having exleted for some weeks; there have been probably months of continuous ailment in galloping consumption, etc." (p. 189). In the same category helongs the following: "Erosion is found either as the result of ulceration of the mucous membrane, or as the fatal termination of an ancurism when tho vessel has burst into the stomach. Both forms of hemorrhage are severe and very often fatal" (p. 96).

The reviewer, however, might take exceptions to certain passages on other grounds than carlessness of expression. For exampls, when the author states that the blood in hæmatemesis may be derived "by exudation from the surface of healthy mucous membrane" (p. 96). Merely as evidence of the correctness of the remark just made, we quote the following: "The name of remitting fever is applied to a disease peculiar to warm climates. It is now very generally helieved to be only typhus as modified by atmospherical influences of the condition of the pervous and sanguiferous systems of Europeans residing in tropical latitudes" (p. 57). This sentence includes all that is said respecting the

remitting fever of adults.

As a candid reviewer of the work, we should feel bound to criticize the author's style, which is deficient in the directness and elearness so desirable in the composition of a scientific treatise. But with this defect and others to which we have briefly alluded, the work may be studied with profit both by the medical student and practitioner. We confess that it does not come up to our idea of n work on Medical Diagnosis, such as we helieve might be written and such as it seems to us is much to be desired; but, in justice to the author, we freely admit that its short-comings are in a great measure due to the incompatibility of its size and scope.

ART. XXXI .- On the Diseases, Injuries, and Malformations of the Rectum and Anus, with Remarks on Habitual Constipation. By T. J. Asnton, Surgeon to the Blenheim Dispensary, &c. &c. Second edition, London, John Chnrchill, 1857. 8vo. pp. 396.

The success of this hook of Mr. Achton'e and of the Clinical Lectures of Mr. Quain, and also of the works of Syme and of Curling, would seem to show that good treatises on diseases of the rectnm are in extensive demand with British readers. A part of this demand, perhaps, may come from the victims of rectal maladies themselves; still, the great majority of purchasers must be regular practitioners, who prove, by their eagerness in securing all information on the subject, its urgent interest and importance.

Certain it is that there are few forms of human ailment more difficult to the

surgeon and distressing to the patient, or in which both parties are more likely to look everywhere for assistance and relief. We cannot help feeling considerable surprise, therefore, that the excellent monograph of Mr. Bushe which was published in this country some twenty years ago, and is etill very nearly equal, if not in some respects superior, to either of the British publications just alluded to, should neither have gone to a second edition, nor had an original euccessor,

from the American press.

We regret this particularly, eince the volume now hefore us, though containing a large amount of useful matter and numerous cases and observations which are entirely its own, nevertheless owes to the pages of Dr. Bushe some of its hest parts. To such an extent, indeed, have the appropriations of whole successive pages, without allusion to their source, availed our author, that, in this instance at all events, he might have followed the more humble example of his American confreres, and adopted, with propriety, if not advantage, the much abused practice of reprinting with notes and additions, which has excited the virtuous indignation of co many of the self-approving, and the interested purists on both sides of the Atlantic.

Mr. A. gives ample evidence, however, in the original portions of his book, of the ability to sustain himself without resorting to the labours of his predecessors; and he has made so many additions to his previous edition, suggested by greater experience, extended reading and accumulated notes of cases, that it is a great pity that he did not avail himself of the opportunity to devoto the additional time and lahour needed to expurgate the new edition hy the substitution of his own language and arrangement, wherever necessary, for that of Mr. Bushe, and by the distinct acknowledgment and reference to the same authority for cases and other matter presented verhatim in the first edition, but without quotation marks or any definite citation.

As this act of simple justice to his own production, as well as to one which he justly acknowledges to have heen his ablest monitor and the most complete work of ite day, does not appear to have been accomplished, we cannot regard the essay of Mr. Ashton as entitled to rank as an original work with those of Syme, Curling, or Quain, and etill less with its model, that of Mr. Bushe. Nevertheless its merits as a practical instructor, well arranged, ahundantly furnished with illustrative cases, and clearly and comprehensively, alheit too diffusely written, are incontestable. They have been sufficiently indorsed by the verdict of his countrymen in the rapid exhaustion of the first edition, and they would certainly meet with a similar reward in the United States were the

volume placed within the reach of American practitioners.

After a short and sensible introduction, from which we shall quote a few paragraphs, directly, he discusses the various affections of the rectum in twenty chapters. Each of these chapters is concluded with a series of cases presenting clinical examples of the disease with which it is occupied. These diseases are severally discussed at greater or less length, according to their importance, in the following order: Irritation and Itching of the Anns; Inflammation and Exceriation of the Anne; Excrescences of the Anal Region; Contraction of the Anns; Fisenre of the Anns and Lower Part of the Rectum; Neuralgia of

the Anus and Extremity of the Rectum; Inflummation of the Rectum; Ulceration of the Rectum; Hæmorrhoidal Affections; Enlargement of Hæmorrhoidal Veins; Prolapsus of the Rectum; Ahseess of the Rectum; Fistula in Ano; Polypi of the Rectum; Strictura of the Rectum; Malignant Diseases of the Rectum; Injuries of the Rectum; Foreign Bodies in the Rectum; Malforma-

tions of the Rectum and Anus; Hahitual Constipation.

The professional reader cannot fail to meet with a great amount of information, upon numerous important questions suggested by the various captions of the formidable list above enumerated, which is probably better and more fully given in the chapters of Mr. Ashton than in those of any other author with which we are nequainted. We are so well satisfied of this that, were it not for the emharrassment inseparable from the palpably non-original character of some portions of hie volume, our brief notice might have been extended into an elahorate review. The subject is so important, and so interesting to all medical inquirers, and comes home to more or less of the personal experience of so large a majority of all classes of society, and yet receives so little formal attention in our journals as well as in the text-hook and lecture-room, that no reason-

nhle opportunity ought to be neglected to arouse attention to its study.

In the absence of a methodical analysis and discussion of Mr. Ashton's work, we cannot do hetter, in order to show his estimate of the subject, and his philosophical and practical mode of treating it, than to conclude with the following

quotation from his introduction:—
"In the whole range of surgical pathology no class of diseases among civilized communities ie so prevalent, causee more euffering, or induces so many varied and distressing sympathetic affectione as those of the rectum; happily for the sufferers none euccumh more readily to judicious, and, in the majority of cases, to simple treatment, when it is put in force at no early period of the malady: hut unfortunately, as it often happens, from a mistaken delicacy on the part of the patients, or from some other cause, proper advice is not sought till the constitution has become seriously deranged, or the local affection no longer endurable; or it may be that, under preconceived and erroneous notions as to the nature of the affection, or from the prominence and severity of some one of the sympathetic effects, the sufferere are induced to adopt a variety of empirical remedies which fail to afford the desired relief and restoration of health, and which are often productive of the most pernicious results.

"From the important functions of the rectum, from the constant or recurrent pain attending diseases affecting it, induced each time the howels evacuate their contents, and the serious constitutional disturbance these diseases excite. they require the careful attention and deep consideration of the surgeon. In past ages and in the present time a popular idea has prevailed that a deeper knowledge of, and a more intimate acquaintance with, the diseases of any certain organ is obtained by nn exclusive consideration of that particular part; hut no greater fullacy can he conceived, it heing only hy a comprehensivo view, and after due consideration of all the symptoms produced, and the various phases presented by disordered function and organic change in the various parts of the animal economy, that a just conclusion as to the fons et crigo malican he arrived at. Perhaps few classes of disease exemplify the necessity of a wide and mature consideration more than those implicating the rectum, cither primarily or secondarily; for the same symptoms will often he found existing under the opposite conditions of cause and effect. Thus, in the female, many instances have occurred of stricture of the rectum heing supposed to exist, and a long and useless treatment had recourse to, when ultimately all the patient's sufferinge were found to depend on a displaced uterus, or on some morbid enlargement or growth of that organ; and the converse is not unfrequently the case, of a patient heing treated for leucorrhoa or uterine discase, whilst the real source of the eymptoms has been in some affection of the rectum. In the male also, will he observed etricture of the urethra, diseases of the prostate gland and bladder simulating those of the rectum; or, on the other hand, diseases of this portion of the alimentary canal producing irritability and other disturbance of the genito-urinary organe. Nor is it in contiguous parts alone

that the reaction of one organ on the other is met with, it is necessary therefore to hear in mind the more remote sympathies induced in the cephalic, thoracic, and abdominal visera, as evinced by headache, vertigo, impaired vision, palpitation of the heart, gastric distension, pain, and sickness; and deranged secretion from the kidneye, as exhibited by the various urinary

deposits.

"Formerly some of the affections of the rectum, which in reality are very simple in themselves and easily relieved, rendered the subjects of them the victims of the most painful and in many cases dangerons operations. But by the advance of surgical science generally, and the study and observation of these particular diseases, even the most painful of them may generally be remedied by medical treatment; and when an operation is necessary for the removal of morbid structure or for the purpose of inducing a healthy reparative process, i' is simple in character, quickly performed, occasioning but a slight amount of pain, and confining the patient for only n very limited period. Thus fistula in ano, which, at n computatively recent period, was considered among the heaviest afflictions that flesh is heir to, from the harharous treatment that was then practised and considered accessary, as a consequence of the false notions and erroneous puthological principles that prevailed, and which led to the scooping out of the parts in the track of the fistula, or to the extensive destruction of the surrounding tissues by corrosive unguents, is now remedied by a slight incision, performed in a few seconds, and not occasioning the loss of more than a few drops of blood. It was only a few years since it was deemed essential for the cure of fissnre of the anue to entirely divide the sphincter muscle, but it is now proved that when an incision is required it is not necessary to make it more than a few lines in length, and to extend it no deeper than through the mucous and eubmucoue tissues. In all operations about the anue the general rule in surgery, that of not removing more of the integument than ie necessary, cannot he too foreibly insisted on; for if this is not observed the patient will be doomed to much inconvenience and misery by the contraction that eneues

"The constitutional origin of these local affections and their reaction on the general system, when their cause has been extrinsic, must always be borne in mind, for it this be overlooked, our hopes of success in the treatment will often

not he realized.

Besides prescribing proper remedies and giving strict injunctions with regard to diet and exercise, it is advisable that the eurgeon should apply the dressings with his own hands, for though there is no difficulty in the matter, and little skill required, yet it is essential to the comfort and recovery of the patient that they should be accurately and properly adjusted; nurses and attendants, from not thoroughly apprehending the object to be attained, are too apt either to cram and distond the parts with the dressings, or not to approximate them with sufficient nicety; the surgeon should also exhibit the enemata, unless he has some intelligent and trustworthy person on whom he can rely. These matters may appear comparatively trifling, but if they pass unattended to we shall often he disappointed in the result of our treatment, let it in other respects be ever so skillfully and well directed?—pp. 1-5.

We are satisfied, after a careful examination of the volume, and a comparison of its contents with those of its leading predecessors and contemporaries, that the hest way for the reader to avail himself of the excellent advice given in the concluding paragraph above, would be to provide himself with a copy of the book from which it has been taken, and diligently to con its instructive pages. They may secure to him many a triumph and fervent blessing, the value and strength of which can be known only to those who have heen scorched in the furnace of affiliction, the fires of which, it is their province to extinguish.

ART. XXXII .- Plates Illustrative of Wilson on Diseases of the Skin. Fourth Edition. Philadelphia, Blanchard and Lea, 1857.

In the Number of this Journal for Oct. 1857, will be found a review of the fourth edition of Wilson's Treatise on Diseases of the Skin, in which the highly scientific and practical character of the work is pointed out, and its great merits as a guido to a knowledge of the nature of those diseases, and of the hest means of treating them, are fully considered.

Although more than a year has elapsed since the publication, in this country, of the text of the work, the illustrative plates have only just now been issued. While we think we have reason to complain of this delay, we are forced to admit that it must have required some time to execute these plates, in the style in which they are now presented to us. For heauty of drawing, accuracy of illustration, and delicacy and finish of colonring, these illustrations are superior to anything of the kind hitherto published in this country.

The volume contains nineteen plates.

Plate I. represents, in eight figures, the structure of the scarf skin.

Plate II. exhibits the anatomy of the sensitive skin and nail, in six figures. Plate III. contains eighteen figures, illustrating the anatomy of the schipa-

rous glands.

Plate IV. exhibits the anatomy of the hair, in sixteen figures.

Plate V. represente two views of the acarus scabici magnified 107 timos, a view of the fore feet magnified 456 times, and two ova of the animalculs.

Plate VI. contains ten figures, illustrative of the etructure of warts and corns,

together with some diseasee of the cohiparous glande.
Plate VII. represents congestive inflammation of the derma, in its several forms—urticaria, roscola, and erythema.

Plate VIII. represents the asthenio group of effusive inflammation of the derma-pempligus, rupia, in their various stages and several varieties.

Plate IX, contains the delineation of the sthenic variety of effusive inflammation of the derma—herpes and eczema, with their several species, and at different periods of their course.

Plate X. represents suppurative inflammation of the derma-impetigo and

ecthyma, their species and various appearances.

Plate XI. is devoted to the delineation of the depositive inflammation of the

derma-lichen, etrophulus, prurigo, and their several species.

Plate XII. presents representations of the squamous inflammations of the derma-lepra, psoriasis, and pityriasis, and their several species.

Plato XIII. represents lupue non exedene, taken from a characteristic case

which had persisted for thirty-three years.

Plates XIV. and XV. contain representations of the diseases of the hair-follicles, and haire-acne, eycosis, favus, trichoeis.

Plate XVI, represents varioue exanthematous and papular syphilitic cruptions.

Plate XVII. represents tubercular syphilitic eruptions.

Plates XVIII. and XIX. contain representations of various sypbilitic cruptions, and of diseases arising from eyphilitic poison.

It cannot fail to strike the reader that this is a very complete atlas of Dermatology, and we feel sure that, on examination, he will be eatisfied with its accuracy and artistic execution.